

APE1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252079

Unit: 0.1 mg

Description:

DNA-(apurinic or apyrimidinic site) lyase (APE1) is a multifunctional protein that plays a central role in the cellular response to oxidative stress. The two major activities of APE1 are DNA repair and redox regulation of transcriptional factors. APE1 functions as a apurinic/apyrimidinic (AP) endodeoxyribonuclease in the DNA base excision repair (BER) pathway of DNA lesions induced by oxidative and alkylating agents. APE initiates repair of AP sites in DNA by catalyzing hydrolytic incision of the phosphodiester backbone immediately adjacent to the damage, generating a single-strand break with 5'-deoxyribose phosphate and 3'-hydroxyl ends.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H

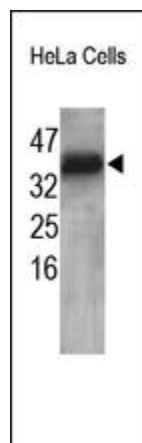
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: DNA-(apurinic or apyrimidinic site) lyase; APEX nuclease; APEN; Apurinic-apyrimidinic endonuclease 1; AP endonuclease 1; APE-1; REF-1; Redox factor-1; APE; APE1; APEX; APX; HAP1; REF1; APEX1

Accession No.: P27695

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human APE1.

Application Notes: E: 1:10,000-1:50,000; WB: 1:100-1:1,000



The APE1 Antibody is used in Western blot to detect APE1 in HeLa cell lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.